

Appln No. N/A
Amdt date February 26, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-5. (Cancelled)

6. (New) An air-stirring blade to be mounted within an internal combustion engine, comprising:

a cylindrical body (1) whose mid portion is provided with blades (2) wherein an inner side of each of the blades (2a) has a groove with a dip angle (3) of about 10° to 80° with respect to a vertical axis of the body, and each of the blades has a twisted center tunnel inner passage; and

each of the blades comprising an outer side of (2b) that has about the same shape as the inner side (2a) thereof and at least two intersections (4) between each of the blades (2) and the body (1) to form an outer passage with a cross section (5) which is twisted along the body.

7. (New) The air-stirring blade of claim 6 comprising a lip (6) around the cylindrical body.

8. (New) The air-stirring blade of claim 6 wherein the blade and body are integrally constructed.

9. (New) An air-stirring blade for mounting within an internal combustion engine, comprising:

a blade (2) formed in a body and having an inner side (2a)

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with at least two coiled grooves, each coiled groove having a dip angle (3) of about 10° to 80° with respect to a vertical axis of the body, the blade having a twisted center inner passage; and

the blade having an outer side (2b) with about the same shape as the inner side (2a), and when inserted into an air duct has at least two intersections (4) between the blade (2) and the air duct forming an outer passage that is twisted along the body.

10. (New) The air-stirring blade of claim 9 wherein there are four of the blades and there are at least four of the intersections.

11. (New) The air-stirring blade of claim 6 or 9 made of nonmetal materials.

12. (New) The air-stirring blade of claim 6 or 9 made of polymer.

13. (New) The air-stirring blade of claim 6 or 9 made of metal.

14. (New) The air-stirring blade of claim 6 wherein there are at least four said intersections between the blades and the body.

15. (New) The air-stirring blade of claim 6 wherein the dip angle is about 30° .

16. (New) The blade of claim 9 wherein the dip angle is about 30° .